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**“जानने का अधिकार, जीने का अधिकार”**

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

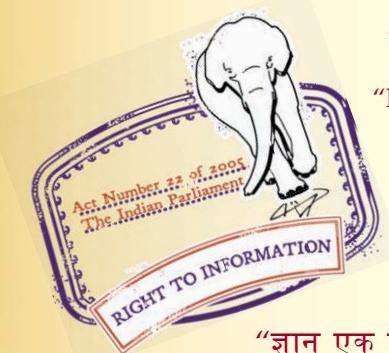
“Step Out From the Old to the New”

IS 4007-2-8 (1983): Terminals for Electronic Equipment, Part 2: Detail Terminals, Section 8: Terminal, Insulated, with Insulated Captive Spring Cap, Type TSL 3 [LITD 3: Electromechanical COmponents and Mechanical Structures for Electronic Equipment]

**“ज्ञान से एक नये भारत का निर्माण”**

SatyanaRayan Gangaram Pitroda

“Invent a New India Using Knowledge”



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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*Indian Standard*  
**SPECIFICATION FOR**  
**TERMINALS FOR ELECTRONIC EQUIPMENT**  
**PART 2 DETAIL SPECIFICATION FOR TERMINALS**  
**Section 8 Terminal, Insulated, With**  
**Insulated Captive Spring Cap, Type TSL 3**

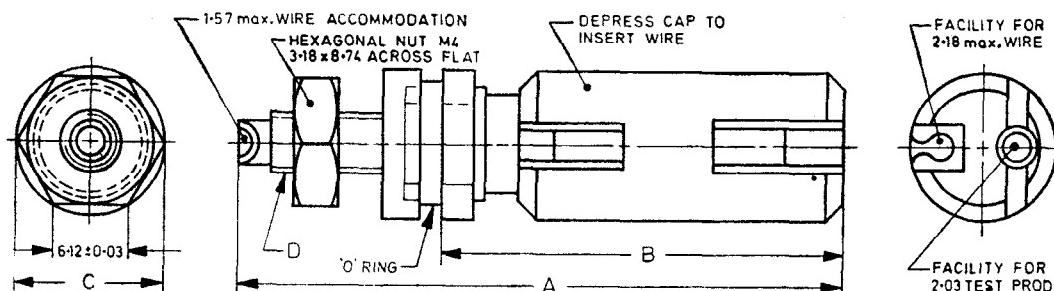
**1. Scope** — This standard (Part 2/Sec 8) covers detail requirements of terminal, insulated, with insulated captive spring cap, type TSL 3 and shall be read in conjunction with IS : 4007 (Part 1) - 1982 'Specification for terminals for electronic equipment : Part 1 General requirements and tests (first revision)'.

**2. Climatic Test Severities**

Temperature severity	55/85°C	10/70°C
Damp heat ( steady state )	58 days	21 days
Damp heat ( cyclic )	6 cycles	2 cycles
Low air pressure	4.4 kPa	30 kPa
Vibration	10 to 55 Hz, Duration — 6 hours	
Impact	Amplitude displacement — 0.75 mm 500 m/s <sup>2</sup> , 5 minutes	

**3. Outline Drawing and Dimensions — See Table 1.**

TABLE 1 DIMENSIONS OF TERMINAL TYPE TSL 3



Insulation Colour	Dimensions				Working Voltage, AC (rms)	Maximum Current	Mounting Plate Thickness	Sealed/Non-Sealed
	A, Max	B, Max	C, Max	D*				
Olive drab	40.94	27.23	10.16	M 4	230 V	10 A	1.57 to 3.18	Sealed

**Note 1** — Dimensions are in millimetres.

**Note 2** — Unless specified otherwise, tolerances shall be  $\pm 0.40$  mm.

**Note 3** — Drawing depicts only general design characteristics and is not intended to limit specific manufacturing processes.

**Note 4** — All insulated portions of the terminals shall be of the same colour as the cap.

\*Screw threads shall be according to IS : 4218 (Part 2) - 1976 'ISO metric screw threads : Part 2 Diameter pitch combinations (first revision)'.

**EXPLANATORY NOTE**

This standard is based on JSS 52710 - Jan 1974 'Specification for terminals, captive screw cap and captive spring loaded', issued by the Ministry of Defence, Government of India. In addition to the climatic severities specified in JSS 52710 - Jan 1974, climatic severities for commercial usage have been included in this standard.